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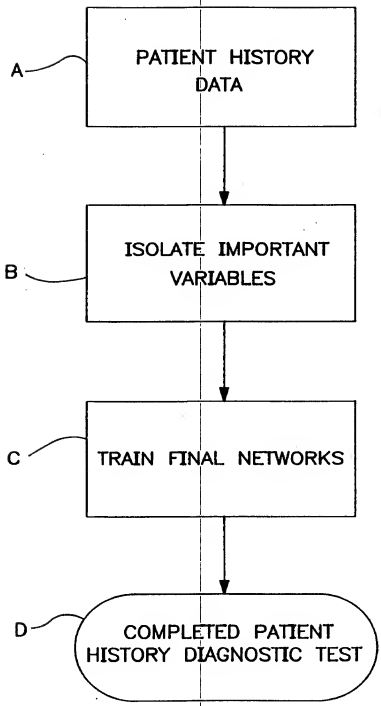

FIG. 1

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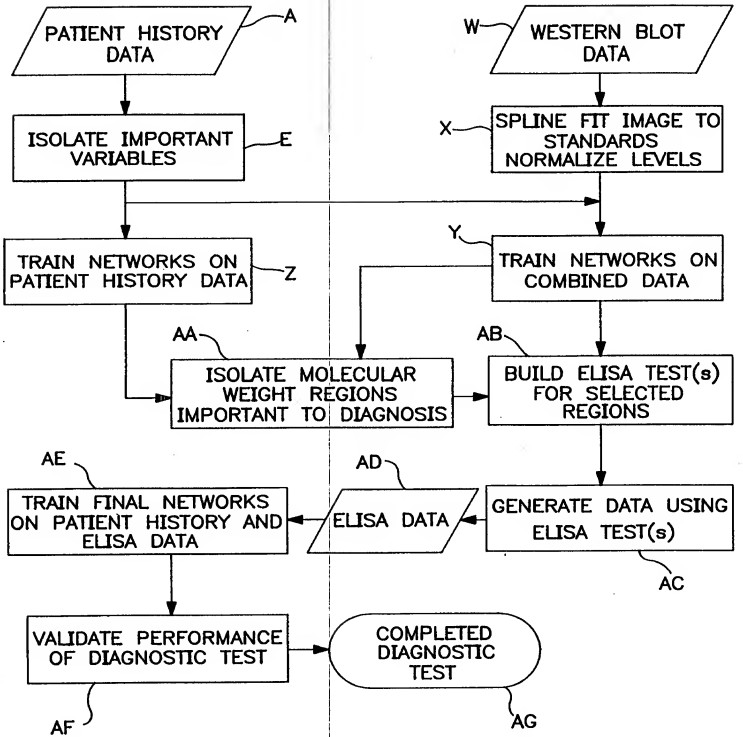
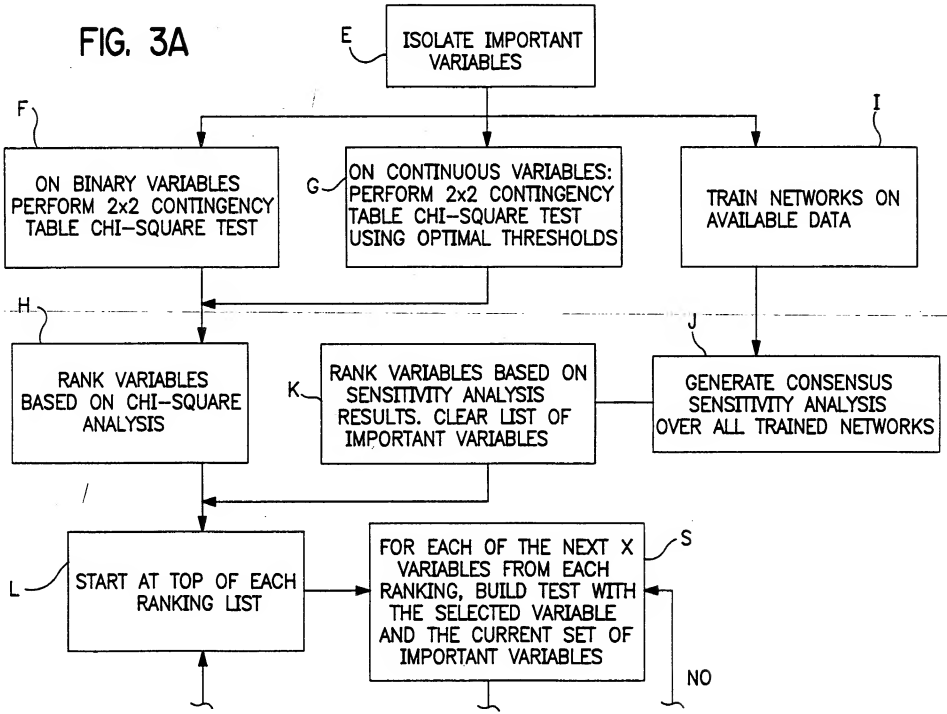
FIG. 2



20111'9522h001

FIG. 3A



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HELLER EHRMAN WHITE & MCAULIFFE LLP
Inventor(s): Title: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING NEURAL NETWORK-TYPE ANALYSIS
Docket No.: 24727-801.P Client Ref. No.: 4 of 4 APPLICATIONS
Filed: January 11, 2002

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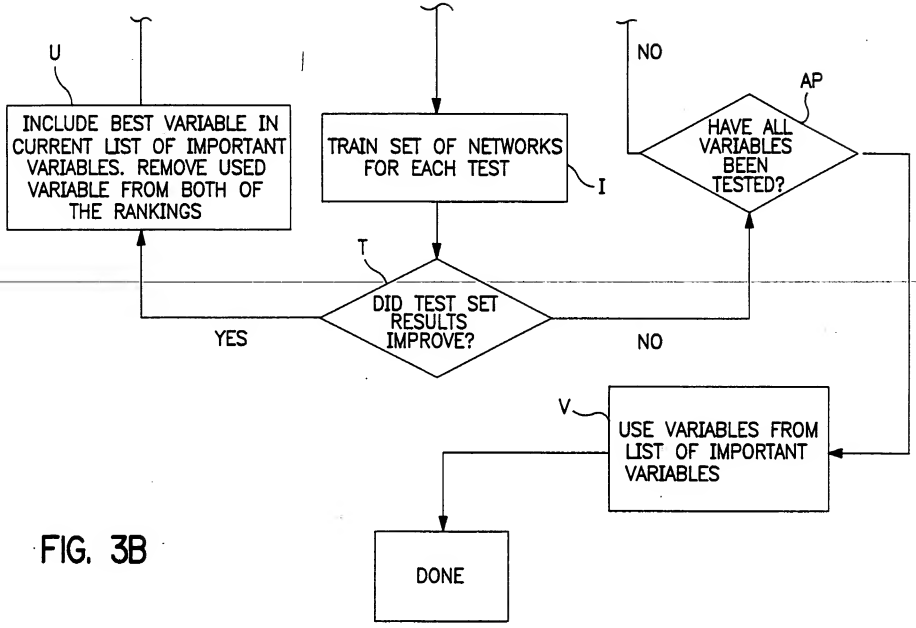

FIG. 3B

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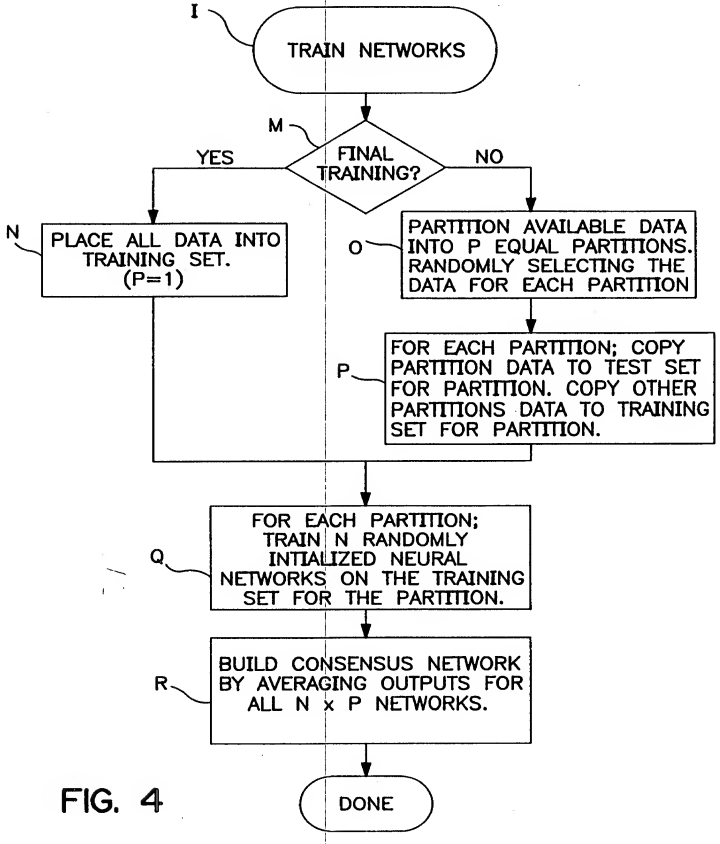

FIG. 4

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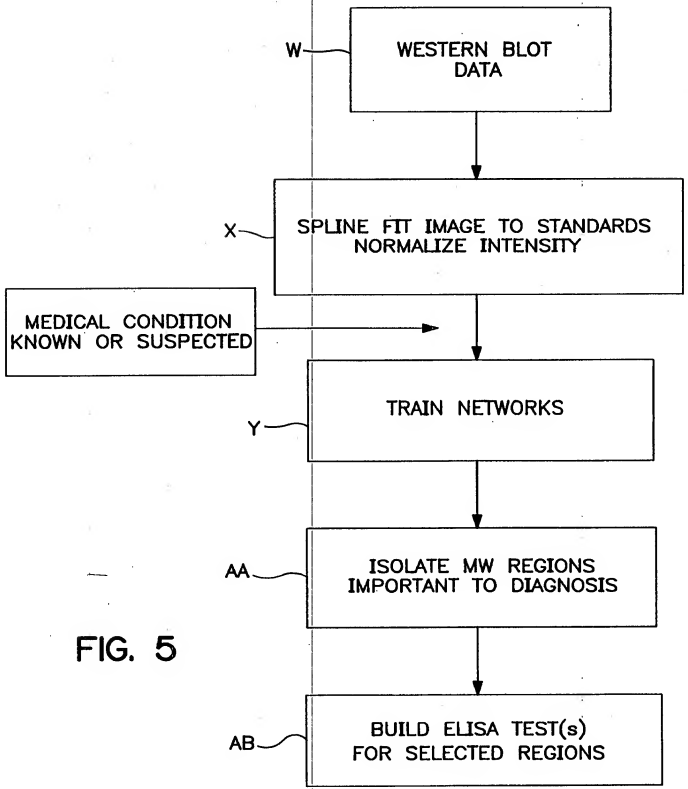

FIG. 5

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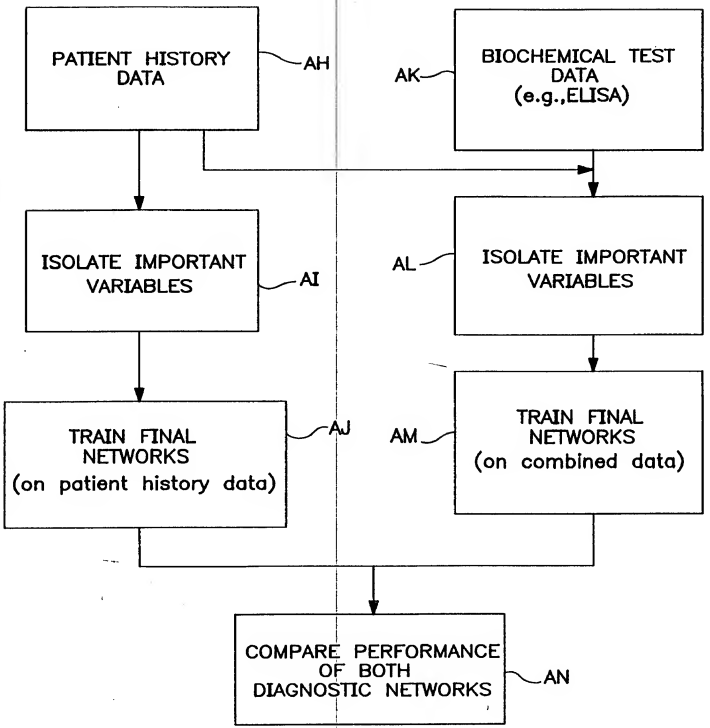

FIG. 6

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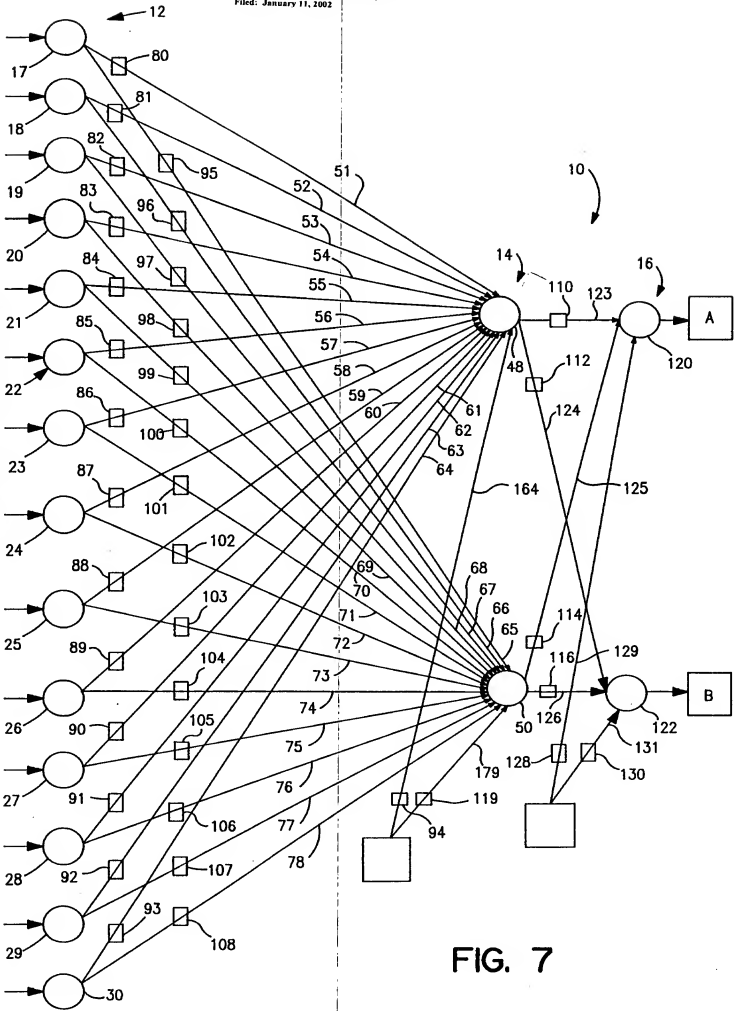

FIG. 7

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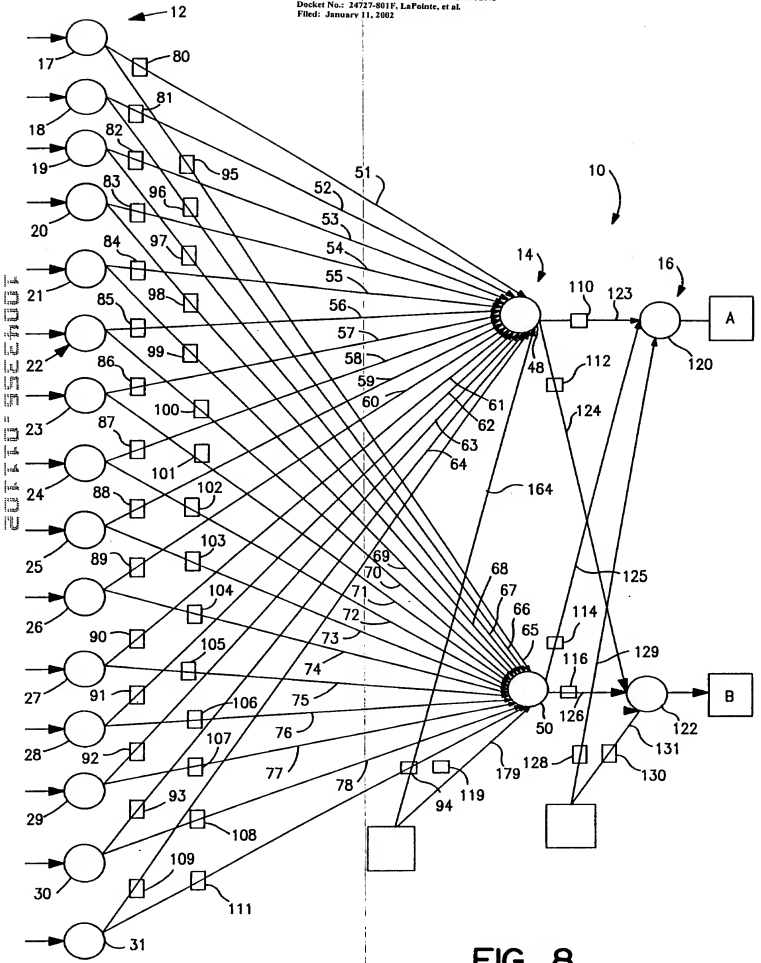

FIG. 8

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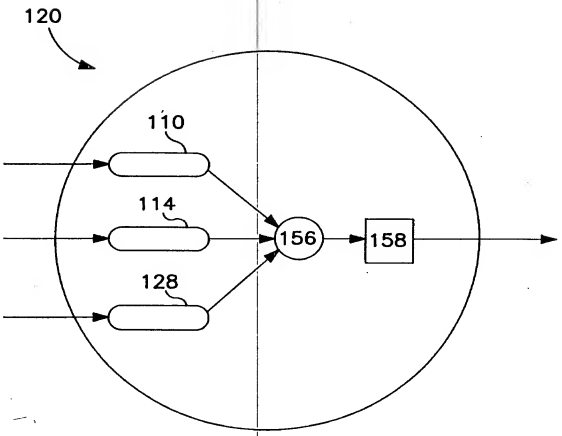

FIG. 9

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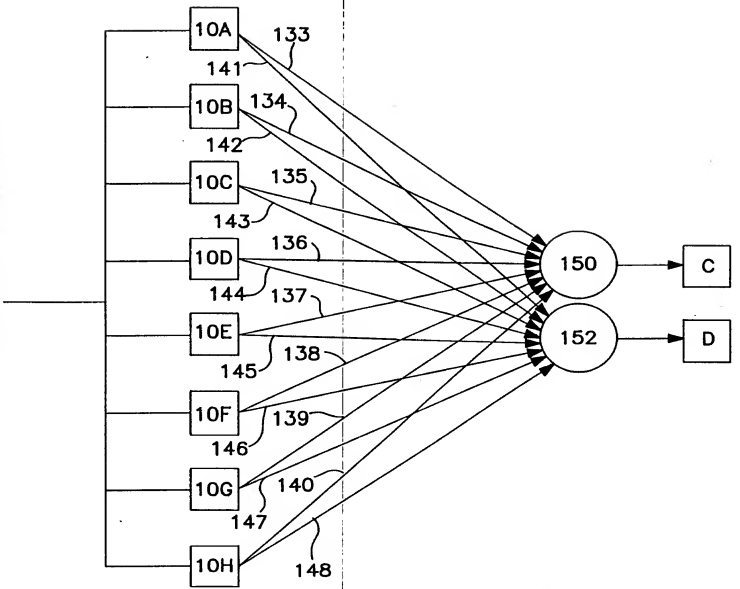

FIG. 10

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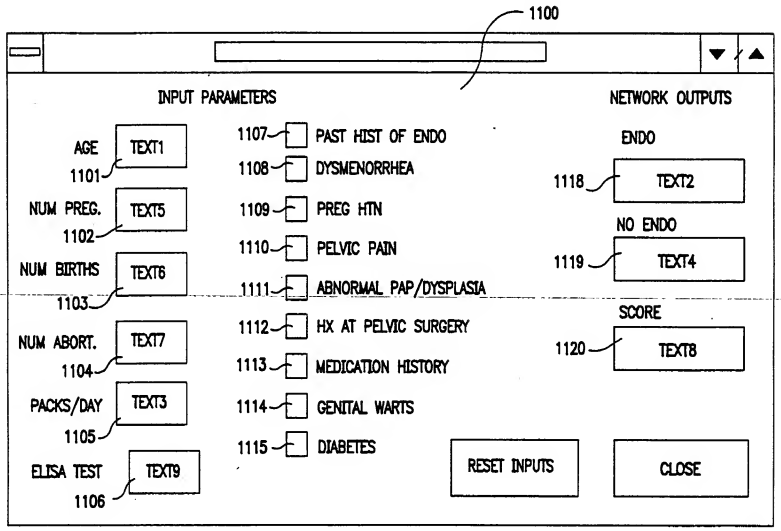

FIG. 11

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HELLER EHRMAN WHITE & MCAULIFFE LLP
Sheet 12 of 18
Title: METHOD FOR SELECTING MEDICAL AND BIOLOGICAL DATA FOR USE IN TRAINING NEURAL NETWORK-RELATED APPLICATIONS
Docket No.: 24727-5001-F: LaPointe, et al.
Filed: January 11, 2002

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HELLER EHRMAN WHITE & MCAULIFFE LLP
Title: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING NEURAL NETWORK-BASED APPLICATIONS
Docket No.: 24727-801P (LaPoint, et al.)
Filed: January 11, 2002

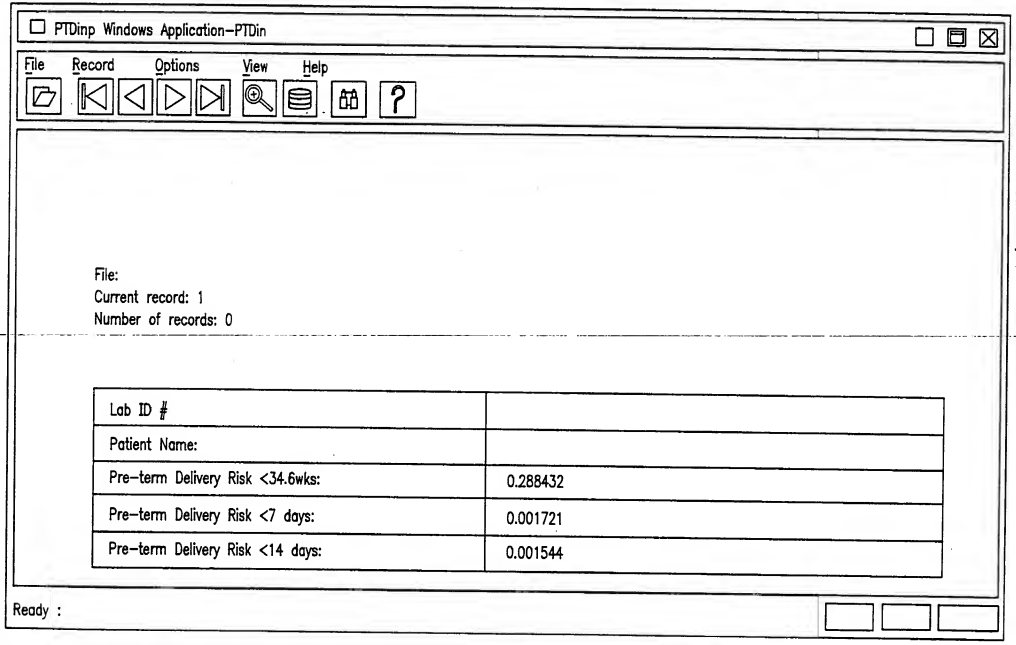

FIG. 12

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Pre–Term Delivery Risk Assessment Software: Data Entry Screen ☒

Lab ID # [ ]

PATIENT INFORMATION

Name(last) [ ] First [ ] M [ ]

DOB [mm/dd/yy]

Ethnic origin: ☐ Caucasian ☐ African American ☐ Asian ☐ Hispanic ☐ Native American ☐ Other

Marital status: ☐ Married ☐ Single ☐ Divorced/Seperated ☐ Widowed ☐ Living with partner ☐ Other

PATIENT HISTORY AND CLINICAL INFORMATION

At the time of sampling, was the patient experiencing signs and symptoms of possible preterm labor? ☐ YES ☐ NO

If yes, please mark all that apply.

- ☐ Uterine contractions with or without pain
  - Number/hr. ☐ <1 ☐ 1–3 ☐ 4–6 ☐ 7–9 ☐ 10–12 ☐ >12
- ☐ Vaginal bleeding
  - ☐ Trace ☐ Med. ☐ Gross
- ☐ Patient is not "feeling right"
- ☐ Bleeding during the second or third trimester
- ☐ Intermittent lower abdominal pain, dull, lowback pain, pelvic pressure
- ☐ Change In vaginal discharge–amount, color, or consistency
- ☐ Menstrual–like cramping (with or without diarrhea)

Gestational Age: EGA by first trimester sono [ww.d] EGA by LMP [ww.d] EGA at sampling [ww.d]

Previous Pregnancy: Please mark all that apply:

- ☐ Previous pregnancy: no complications
- ☐ History of Preterm delivery
  - If Yes, how many? ☐ 1 ☐ 2 ☐ >2
- ☐ History of Preterm PROM
- ☐ History of incompetent cervix
- ☐ History of PIH/preeclampsia
- ☐ History of SAB prior to 20 wks.

Current Pregnancy: G: [ ] P: [ ] A: [ ]

- ☐ Multiple Gestation ☐ Twins ☐ Triplets ☐ Quads
- ☐ Uterine or cervical abnormality
- ☐ Cerclage
- ☐ Gestational Diabetes
- ☐ Hypertensive Disorders

Cervical Status immediately following sample collection:
Dilatation(cm) ☐ <1 ☐ 1 ☐ 1–2 ☐ 2 ☐ 2–3 ☐ 3 ☐ >3 ☐ Unk. Cervical consistency ☐ Firm ☐ Mod ☐ Soft

Medications at Time of Test(check all that apply)
☐ Antibiotics ☐ Corticosteroids ☐ Tocolytis ☐ Insulin ☐ Antihypertensives ☐ None ☐ Unknown

Qualitative fFN Elisa Test Results: ☐ Positive ☐ Negative

Calculate risk | Cancel

FIG. 13

Available Copy

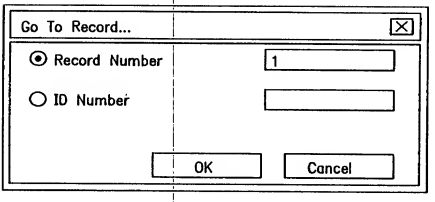

FIG. 14

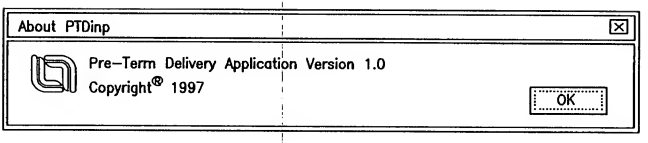

FIG. 15

Pre-Term Delivery Risk Assesment Software:
Test Report Form

Lab ID #	
Patient Name:	
Pre-term Delivery Risk <34.6wks:	0.288432
Pre-term delivery Risk <7 days:	0.001721
Pre-term Delivery Risk <14 days:	0.001544

FIG. 16A

20150-052200

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Pre–Term Delivery Risk Assessment Software: Data Entry Screen Lab ID # ☒

PATIENT INFORMATION

Name(last) First M

DOB mm/dd/yy

Ethnic origin: ☐Caucasian ☐African American ☐Asian ☐Hispanic ☐Native American ☐Other

Marital status: ☐Married ☐Single ☐Divorced/Seperated ☐Widowed ☐Living with partner ☐Other

PATIENT HISTORY AND CLINICAL INFORMATION

At the time of sampling,was the patient experiencing signs and symptoms of possible preterm labor? ☐YES ☐NO

If yes, please mark all that apply.

☐Uterine contractions with or without pain Number/hr. ☐<1 ☐1–3 ☐4–6 ☐7–9 ☐10–12 ☐>12

☐Vaginal bleeding ☐Trace ☐Med. ☐Gross

☐Patient is not feeling right

☐Bleeding during the second or third trimester

☐Intermittent lower abdominal pain,dull,low backpain, pelvic pressure

☐Change in vaginal discharge–amount,color,or consistency

☐Menstrual–like cramping(with or without diarrhea)

Gestational Age: EGA by first trimester sono ww.d EGA by LMP ww.d EGA at sampling ww.d

Previous Pregnancy: Please mark all that apply.

☐ Previous pregnancy: no complications
☐ History of Preterm delivery
If Yes,how many? ☐1 ☐2 ☐>2
☐ History of Preterm PROM
☐ History of incompetent cervix
☐ History of PIH/preeclampsia
☐ History of SAB prior to 20 wks.

Current Pregnancy: G: P: A:

☐ Multiple Gestation ☐Twins ☐Triplets ☐ Quads
☐ Uterine or cervical abnormality
☐ Cerclage
☐ Gestational Diabetes
☐ Hypertensive Disorders

Cervical status immediately following sample collection: ☐Firm ☐Mod ☐Soft
Dilatation(cm)☐<1☐1 ☐1–2☐2 ☐2–3☐3 ☐>3☐Unknown Cervical consistency

Medications at Time of Test(check all that apply)
☐ Antibiotics ☐ Corticosteroids ☐ Tocolytis ☐ Insulin ☐ Antihypertensives ☐ None ☐ Unknown

Qualitative fFN Elisa Test Results: ☐ Positive ☐ Negative

Pre–term Delivery Risk <34.6wks: 0.288432

Pre–term Delivery Risk <7 days: 0.001721

Pre–term Delivery Risk <14 days: 0.001544

FIG. 16B

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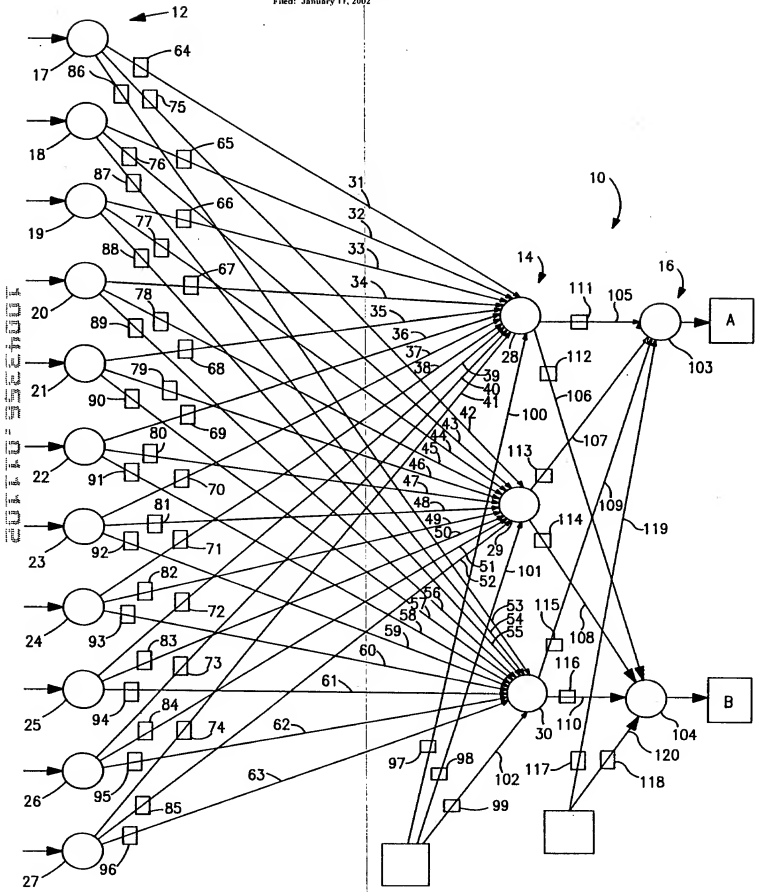

FIG. 17

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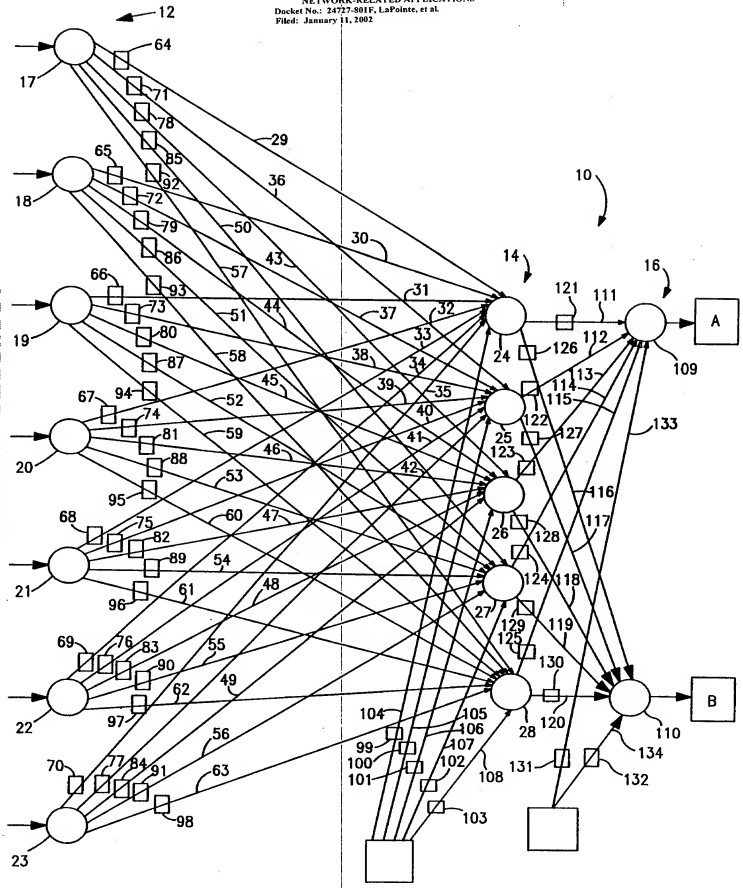

FIG. 18

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